# Aluminum splices

## CSA non-tension splices

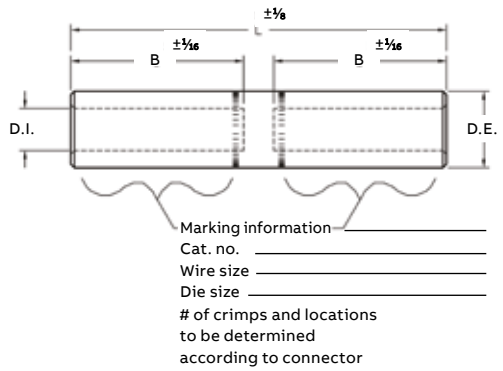
**Compress these lugs with standard tools and dies**

- Provides high strength and high conductivity
- Assures proper cable insertion
- Use with aluminum and copper conductors
- Prevents oxidation and keeps out moisture
- Easy identification
- Meets or exceeds ANSI C119.4 specifications

**CSA non-tension splices**

| Cat. no. | Wire size (AWG or kcmil) | CSA die | O.D. | I.D. | Dimensions (in.) L | B |
|---|---|---|---|---|---|---|
| GLE 2 | 2 str.–Compr–CPT | 22 | 0.635 | 0.340 | 2.00 | 0.96 |
| GLE 1/0 | 1/0 str.–Compr–CPT | 22 | 0.635 | 0.420 | 2.00 | 0.96 |
| GLE 2/0 | 2/0 str. Compr–CPT | 24 | 0.840 | 0.503 | 2.13 | 0.96 |
| GLE 3/0 | 3/0 str.–Compr–CPT | 24 | 0.840 | 0.547 | 2.75 | 1.31 |
| GLE 4/0 | 4/0 str.–Compr–CPT | 24–6T | 0.840 | 0.594 | 2.75 | 1.31 |
| GLE 250 | 250 str.–Compr–CPT | 26 | 1.000 | 0.620 | 3.13 | 1.44 |
| GLE 300 | 300 str.–Compr–CPT | 26–12T | 1.000 | 0.670 | 3.13 | 1.44 |
| GLE 350 | 350 str.–Compr–CPT | 28 | 1.189 | 0.730 | 4.00 | 1.88 |
| GLE 500 | 500 str.–Compr–CPT | 28–12T | 1.189 | 0.835 | 4.00 | 1.88 |
| GLE 500-30 | 500 str.–Compr–CPT | 30-12T | 1.438 | 0.880 | 4.50 | 2.13 |
| GLE 750 | 750 str.–Compr–CPT | 30 | 1.438 | 1.031 | 4.50 | 2.13 |

**Diagram**




Finish: Tin-plated optional, use suffix “TN”.
Material: E.C. grade aluminum.
Connector bores are coated with HM 53 a oxide-inhibiting compound and capped.

# Aluminum splices

## Tin-plated straight splices for general applications

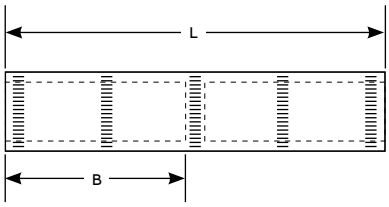
ASC 1000

- Provides high strength and high conductivity
- Assures proper cable insertion
- Use with aluminum and copper conductors
- Prevents oxidation and keeps out moisture
- Easy identification
- Meets or exceeds ANSI C119.4 specifications

**Tin-plated straight splices for general applications**

| | Conductor range (AWG or kcmil) | | | Dimensions (in.) | | |
|---|---|---|---|---|---|---|
| **Cat. no.** | **Concentric** | **Compact** | **ACSR** | **L** | **B** | **Installing dies** |
| ASC 6 | #6 | – | – | 1 5/8 | 3/4 | TP, 29, 161, 5/16 |
| ASC 4 | #4 | – | – | 2 | 1 | TB, 37, 375, 162 |
| ASC 2 | #2 | – | – | 2 | 15/16 | TQ, 45, 348, 163, 1/2, 6A |
| ASC 1 | #1 | – | – | 2 | 15/16 | TQ, 45, 348, 163, 1/2 |
| ASC 1/0 | 1/0 | – | – | 2 1/4 | 31/32 | TU, 52, BG, 243, 5/8 |
| ASC 2/0 | 2/0 | – | – | 2 5/16 | 1 3/32 | TW-TY, 58, 297, 5/8-1 |
| ASC 3/0 | 3/0 | – | – | 2 5/8 | 1 1/4 | TV, 66, 167, 467, 10A |
| ASC 4/0 | 4/0 | – | – | 2 3/4 | 1 5/16 | TX, 71H, 298, 840, 11A |
| ASC 250 | 4/0-250 | 300 | 4/0 | 2 15/16 | 1 3/8 | TX, 76, 249, 840, 11A |
| ASC 300 | 266.8-300 | 350 | 266.8 (18/1) | 3 1/8 | 1 7/16 | TH, 87H, 251, 470, 1, 12A |
| ASC 350 | 336.4-350 | 400 | 266.8 (26/7), 336.4 (18/1) | 3 3/8 | 1 39/64 | 96, 299, 655, 1 (1/8-1), 13A |
| ASC 400 | 397.5-400 | – | 336.4 (26/7), 397.5 (18/1) | 3 3/4 | 1 3/4 | 96, 472, 655, 1 (1/8-1), 13A |
| ASC 500 | 477-500 | 600 | 397.5 (26/7), 477 (18/1) | 3 7/8 | 1 27/32 | 106A, 300, 317, 1 5/16, 14A |
| ASC 600 | 550-600 | – | 477 (26/7), 556.5 (18/1) | 4 1/8 | 1 15/16 | 1 5/16, 115H, 786, 936, 473 |
| ASC 750 | 700-750 | – | 636 (26/7) | 4 11/16 | 2 7/32 | 140H, 301, 342, 1 1/2 |
| ASC 750-608* | 700-750 | – | 636 (26/7) | 4 11/16 | 2 7/32 | 125H, 608, 786, 1 1/2, 936 |
| ASC 800 | 800 | – | – | 4 3/4 | 2 1/4 | 140H, 342, 474, 1 1/2 |
| ASC 1000 | 954-1,000 | – | 795 (26/7), 954 (45/7) | 5 1/4 | 2 3/8 | 161, 292, 302, 319, 1 3/4 |
| ASC 1250 | 1,250 | – | – | 8 | 3 11/16 | 161, 727, 352, 1 7/8 |
| ASC 1500 | 1,500 | – | – | 6 1/2 | 3 1/8 | 189, 478, 728 |

**Diagram**




* Not UL listed.
For tin-plated splices add "-TN" suffix to the catalogue number. Tin-plated splices with are UL listed through 1,000 kcmil.

# Aluminum splices

## Straight splices for general applications

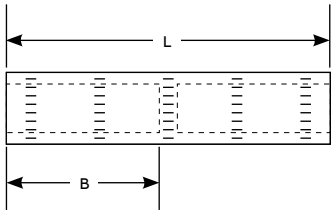
AC 1000

- Provides high strength and high conductivity
- Ensures proper cable insertion
- Use with aluminum and copper conductors
- Prevents oxidation and keeps out moisture
- Easy identification
- Meets or exceeds ANSI C119.4 specifications

**Straight splices for general applications**

| | Conductor range (AWG or kcmil) | | | Dimensions (in.) | | |
|---|---|---|---|---|---|---|
| **Cat. no.** | **Concentric** | **Compact** | **ACSR** | **L** | **B** | **Installing dies** |
| AC 4 | #4 | – | – | 2¼ | 1 | TB, 37, 375 |
| AC 2 | #2 | – | – | 3 15/32 | 1 37/64 | TQ, 45, 348, 163, ½ |
| AC 1 | #1 | – | – | 3 15/32 | 1 37/64 | TQ, 45, 348, 163, ½ |
| AC 1/0 | 1/0 | – | – | 3 11/16 | 1 13/32 | TU, 52, BG, 243, ⅝, 8A |
| AC 2/0 | 2/0 | – | – | 3 11/16 | 1 13/32 | TU, 52, BG, 243, ⅝, 8A |
| AC 3/0 | 3/0 | – | – | 4 | 1¾ | TV, 66, 167, 781, 247, 10A |
| AC 4/0 | 4/0 | 250 | – | 3¾ | 1¾ | TX, 71H, 298, 840, 660, 11A |
| AC 250 | 4/0-250 | – | 4/0 | 5¼ | 2 5/16 | TX, 76, 249, 840, 11A |
| AC 300 | 266.8-300 | – | 266.8 (18/1) | 5¾ | 2 11/16 | TH, 87H, 251, 840, 470, 12A |
| AC 350 | 336.4-350 | – | 266.8 (26/7), 336.4 (18/1) | 6⅝ | 3⅛ | 96, 299, 655, 1 (⅛-1), 13A |
| AC 400 | 397.5-400 | – | 336.4 (26/7), 397.5 (18/1) | 7 9/32 | 3½ | 96, 472, 655, 705, 1 (⅛-1), 13A |
| AC 500 | 477-500 | 600 | 397.5 (26/7, 30/7), 477 (18/1) | 7 19/32 | 3 37/64 | 106A, 300, 317, 1 5/16, 14A |
| AC 600 | 600 | – | 477 (26/7), 556.5 (18/1) | 7 27/32 | 3 47/64 | 1 5/16, 115H, 786, 936, 473 |
| AC 750 | 700-750 | – | 636 (26/7) | 8 9/32 | 3 31/32 | 140H, 301, 342, 1½ |
| AC 800 | 750-800 | – | 636 (30/19), 715.5 (54/7) | 8½ | 4 1/16 | 140H, 474, 342, 724, 1½H, 1⅝ |
| AC 1000 | 954-1,000 | – | 795 (26/7), 954 (45/7) | 9 15/16 | 4 9/32 | 161, 292, 302, 319, 1¾ |

**Diagram**



# Aluminum splices

## Straight reducing splices

AC 500 R 400

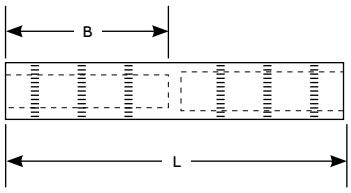
**Solid center stop ensures proper cable insertion**

- Provides high strength and high conductivity
- Use with aluminum and copper conductors
- Prevents oxidation
- Easy identification
- Meets or exceeds ANSI C119.4 specifications

**Straight reducing splices**

| | Wire size (AWG or kcmil) | | Dimensions (in.) | | |
|---|---|---|---|---|---|
| **Cat. no.** | **From** | **To** | **L** | **B** | **Installing dies** |
| AC 2 R 4 | #2 | #4 | 4 9/16 | 1 7/8 | TQ, 45, 348, 6A, ½ |
| AC 1/0 R 2 | 1/0 | #2 | 4 9/16 | 1 7/8 | 8A, BG, TU, ⅝ |
| AC 2/0 R 1 | 2/0 | #1 | 4 9/16 | 1 7/8 | TWTY, 60, 245, 9A, ⅝, 1 |
| AC 3/0 R 1/0 | 3/0 | 1/0 | 5 | 2 | 781, TU, 56 |
| AC 4/0 R 2/0 | 4/0 | 2/0 | 5 1/4 | 2 1/8 | TX, 71H, 298, 11A, 840 |
| AC 250 R 3/0 | 250 | 3/0 | 5 1/4 | 2 1/8 | 840, 11A, 249, TX |
| AC 300 R 4/0 | 300 | 4/0 | 8 3/16 | 3 17/32 | 96, 299, 1 1/8 |
| AC 350 R 4/0 | 350 | 4/0 | 8 3/16 | 3 17/32 | 96, 299, 1 1/8 |
| AC 400 R 250 | 400 | 250 | 8 19/32 | 3 11/16 | 96, 472, 1 1/8 |
| AC 500 R 300 | 500 | 300 | 8 19/32 | 3 13/16 | 106, 300, 317, 1 5/16 |
| AC 500 R 350 | 500 | 350 | 8 11/16 | 3 13/16 | 106, 300, 317, 1 5/16 |
| AC 500 R 400 | 500 | 400 | 8 7/8 | 3 13/16 | 106, 300, 317, 1 5/16 |
| AC 600 R 350 | 600 | 350 | 8 7/8 | 3 15/16 | 115, 473, 1 5/16 |
| AC 600 R 500 | 600 | 500 | 9 1/4 | 3 15/16 | 115, 473, 1 5/16 |
| AC 750 R 500 | 750 | 500 | 9 5/8 | 4 7/32 | 140, 301, 1 ½ |
| AC 750 R 600 | 750 | 600 | 9 5/8 | 4 7/32 | 140, 301, 1 ½ |
| AC 1000 R 500 | 1,000 | 500 | 9 7/8 | 4 5/8 | 161, 302, 1 ¾ |
| AC 1000 R 750 | 1,000 | 750 | 9 7/8 | 4 5/8 | 161, 302, 1 ¾ |

**Diagram**




For tin-plated option, add "-TN" suffix to the catalogue number.

# Aluminum splices

## Straight splices – Common die series

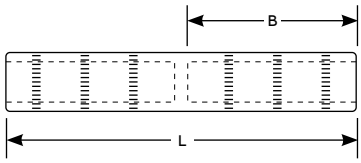
**Splices designed for general URD applications**

- Lessens your die inventory
- Provides high strength and high conductivity
- Assures proper cable insertion
- Use with aluminum and copper conductors
- Prevents oxidation
- Easy identification
- Meets or exceeds ANSI C119.4 specifications

**Straight splices – Common die series**

| | Conductor range (AWG or kcmil) | | | | Dimensions (in.) | | |
|---|---|---|---|---|---|---|---|
| **Cat. no.** | **Concentric** | **Compressed** | **Compact** | **Solid** | **L** | **B** | **Installing dies** |
| SAC 4 | #4 | #4 | #4 | – | 3 | 1 13/32 | 5/8, 8A, BG, TU, 52 |
| SAC 2 | #2 | #2 | #1, #2 | #1 | 3 | 1 13/32 | CSA 22, 5/8, 8A, BG |
| SAC 1 | #1 | #1 | 1/0 | 1/0 | 3 | 1 13/32 | CSA 22, 5/8, 8A, BG |
| SAC 1/0 | 1/0 | 1/0 | 2/0 | 2/0 | 3 | 1 13/32 | CSA 22, 5/8, 8A, BG |
| SAC 2/0 | 2/0 | 2/0 | 3/0 | 3/0 | 4 | 1 7/8 | 840, 249, TX, CSA 24 |
| SAC 3/0 | 3/0 | 3/0 | 4/0 | – | 4 | 1 7/8 | 840, 249, TX, CSA 24, 845 |
| SAC 4/0 | 4/0 | 4/0 | 4/0, 250 | – | 4 | 1 7/8 | 840, 249, TX, CSA 24, 845 |
| SAC 250 | 250 | 250 | – | – | 4 | 1 7/8 | 840, 249, TX, CSA 24, 11A |
| SAC 300 | 300 | 300 | – | – | 5 | 2 3/8 | 96, 299, 655, 1 (1/8-1), 13A |
| SAC 350 | 350 | 350 | – | – | 5 | 2 3/8 | 96, 299, 655, 321, 1 (1/8-1), 13A |
| SAC 400 | 400 | 400 | 500 | – | 5 11/16 | 2 5/8 | 106A, 300, 317, 15A |
| SAC 500 | 477-500 | – | 600 | – | 5 11/16 | 2 5/8 | 106A, 300, 317, 1 5/16, 15A |
| SAC 600 | 600 | – | – | – | 7 | 3 3/8 | 1 1/2, 140, 301, 724 |
| SAC 750 | 700-750 | – | – | – | 7 | 3 13/32 | 140H, 301, 342, 724, 1 1/2 |
| SAC 1000 | 1,000 | – | – | – | 7 | 3 5/16 | 1 3/4, 161, 302, 292, 319 |

**Diagram**



# Aluminum splices

## Straight reducing splices – Common die series

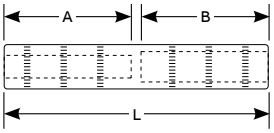
**Reducers for general URD applications**

- Lessens your die inventory
- Use with aluminum and copper conductors
- Prevents oxidation
- Easy identification
- Meets or exceeds ANSI C119.4 specifications

**Straight reducing splices – Common die series**

| | Side A | | | Side B | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Cat. no. | Concentric/ compressed | Compact | Solid | Concentric/ compressed | Compact | Solid | A-B (in.) | L (in.) | Installing dies |
| SAC 4 R 6 | #4 | #4 | – | #6 | #6 | – | 1 7/16 | 3 | CSA 22, 5/8, BG, 243 |
| SAC 2 R 4 | #2 | #1, #2 | #1 | #4 | #4 | | 1 7/16 | 3 | CSA 22, 5/8, BG, 243 |
| SAC 1 R 2 | #1 | 1/0 | 1/0 | #2 | #1, #2 | #1 | 1 7/16 | 3 | CSA 22, 5/8, BG, 243 |
| SAC 1/0 R 4 | 1/0 | 2/0 | 2/0 | #4 | #4 | – | 1 7/16 | 3 | CSA 22, 5/8, BG, 243 |
| SAC 1/0 R 2 | 1/0 | 2/0 | 2/0 | #2 | #1, #2 | #1 | 1 7/16 | 3 | CSA 22, 5/8, BG, 243 |
| SAC 1/0 R 1 | 1/0 | 2/0 | 2/0 | #1 | 1/0 | 1/0 | 1 7/16 | 3 | CSA 22, 5/8, BG, 243 |
| SAC 2/0 R 2 | 2/0 | 3/0 | 3/0 | #2 | #1, #2 | #1 | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 2/0 R 1/0 | 2/0 | 3/0 | 3/0 | 1/0 | 2/0 | 2/0 | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 3/0 R 1/0 | 3/0 | 4/0 | – | 1/0 | 2/0 | 2/0 | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 3/0 R 2/0 | 3/0 | 4/0 | – | 2/0 | 3/0 | 3/0 | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 4/0 R 2 | 4/0 | 250 | – | #2 | #1, #2 | #1 | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 4/0 R 1/0 | 4/0 | 250 | – | 1/0 | 2/0 | 2/0 | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 4/0 R 2/0 | 4/0 | 250 | – | 2/0 | 3/0 | 3/0 | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 250 R 3/0 | 250 | – | – | 3/0 | 4/0 | – | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 250 R 4/0 | 250 | – | – | 4/0 | 250 | – | 1 7/8 | 4 | 840, 249, TX, CSA 24 |
| SAC 300 R 250 | 300 | – | – | 4/0-250 | – | – | 2 3/8 | 5 | 96, 299, 655, 1 (1/8-1), 13A |
| SAC 350 R 2 | 350 | – | – | #2 | #1, #2 | #1 | 2 3/8 | 5 | 96, 299, 655, 1 (1/8-1), 13A |
| SAC 350 R 1/0 | 350 | – | – | 1/0 | 2/0 | 2/0 | 2 3/8 | 5 | 96, 299, 655, 1 (1/8-1), 13A |
| SAC 350 R 2/0 | 350 | – | – | 2/0 | 3/0 | 3/0 | 2 3/8 | 5 | 96, 299, 655, 1 (1/8-1), 13A |
| SAC 350 R 3/0 | 350 | – | – | 3/0 | 4/0 | – | 2 3/8 | 5 | 96, 299, 655, 1 (1/8-1), 13A |
| SAC 350 R 4/0 | 350 | – | – | 4/0 | 250 | – | 2 3/8 | 5 | 96, 299, 655, 1 (1/8-1), 13A |
| SAC 350 R 250 | 350 | – | – | 250 | – | – | 2 3/8 | 5 | 96, 299, 655, 1 (1/8-1), 13A |
| SAC 500 R 2 | 500 | – | – | #2 | – | – | 2 21/32 | 5 11/16 | 1 5/16, 15A, 300, 106, 317 |
| SAC 500 R 1/0 | 500 | – | – | 1/0 | – | – | 2 21/32 | 5 11/16 | 1 5/16, 15A, 300, 106, 317 |
| SAC 500 R 2/0 | 500 | – | – | 2/0 | – | – | 2 21/32 | 5 11/16 | 1 5/16, 15A, 300, 106, 317 |
| SAC 500 R 3/0 | 500 | – | – | 3/0 | – | – | 2 21/32 | 5 11/16 | 1 5/16, 15A, 300, 106, 317 |
| SAC 500 R 4/0 | 500 | – | – | 4/0 | 250 | – | 2 21/32 | 5 11/16 | 1 5/16, 15A, 300, 106, 317 |
| SAC 500 R 300 | 500 | – | – | 300 | – | – | 2 21/32 | 5 11/16 | 1 5/16, 15A, 300, 106, 317 |
| SAC 500 R 350 | 500 | – | – | 350 | – | – | 2 21/32 | 5 11/16 | 1 5/16, 15A, 300, 106, 317 |
| SAC 500 R 400 | 500 | – | – | 400 | – | – | 2 21/32 | 5 11/16 | 1 5/16, 15A, 300, 106, 317 |
| SAC 750 R 1/0 | 750 | – | – | 1/0 | – | – | 3 | 6 1/4 | 140H, 301, 342 |
| SAC 750 R 4/0 | 750 | – | – | 4/0 | 250 | – | 3 | 6 1/4 | 140H, 301, 342 |
| SAC 750 R 250 | 750 | – | – | 250 | – | – | 3 | 6 1/4 | 140H, 301, 342 |
| SAC 750 R 350 | 750 | – | – | 350 | – | – | 3 | 6 1/4 | 140H, 301, 342 |
| SAC 750 R 500 | 750 | – | – | 500 | – | – | 3 | 6 1/4 | 140H, 301, 342 |
| SAC 1000 R 400 | 1,000 | – | – | 400 | – | – | 3 3/8 | 7 | 161, 302, 292, 319, 1-3/4 |
| SAC 1000 R 500 | 1,000 | – | – | 500 | – | – | 3 3/8 | 7 | 161, 302, 292, 319, 1-3/4 |
| SAC 1000 R 750 | 1,000 | – | – | 750 | – | – | 3 3/8 | 7 | 161, 302, 292, 319, 1-3/4 |

**Diagram**




For tin-plated option, add "-TN" suffix to the catalogue number.

# Aluminum splices

## Tin-plated straight splices – ⅝-in. Common die series

**Built to resist corrosion and provide high strength and high conductivity**

- Provides high strength and high conductivity
- Assures accurate wire positioning and forces oxide inhibitor over and through conductor strands
- Use with aluminum and copper conductors
- Resists corrosion and extends shelf life
- Improves contact and seals out moisture after installation
- Seal splices from contaminants
- Easy identification and installation
- Meets or exceeds ANSI C119.4 specifications

**Tin-plated straight splices – ⅝-in. Common die series**

| | Wire size (AWG or kcmil) | | Conductor | | | |
|---|---|---|---|---|---|---|
| **Cat. no.** | **A** | **B** | **A** | **B** | **Installing dies** | **L (in.)** |
| SG 88 | #8 | #8 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 68 | #6 | #8 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 66 | #6 | #6 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 48 | #4 | #8 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 46 | #4 | #6 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 44 | #4 | #4 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 24 | #2 | #4 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 22 | #2 | #2 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 11 | #1 | #1 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 106 | 1/0 | #6 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 104 | 1/0 | #4 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 102 | 1/0 | #2 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 1010 | 1/0 | 1/0 | Al-Cu | Al-Cu | ⅝, 8A, BG, TU, 243 | 2 |
| SG 206 | 2/0 | #6 | Al | Al | ⅝, 8A, BG, TU, 243 | 2⅛ |
| SG 204 | 2/0 | #4 | Al | Al | ⅝, 8A, BG, TU, 243 | 2⅛ |
| SG 202 | 2/0 | #2 | Al | Al | ⅝, 8A, BG, TU, 243 | 2⅛ |
| SG 2010 | 2/0 | 1/0 | Al | Al | ⅝, 8A, BG, TU, 243 | 2⅛ |
| SG 2020 | 2/0 | 2/0 | Al | Al | ⅝, 8A, BG, TU, 243 | 2⅛ |

**Diagram**